

Supplementary Table S1. Different conditions tested from the original ones in Hanaoka design.  
In bold, conditions selected for the ELISpot.

|                    | <b><u>Hanaoka conditions</u></b> | <b><u>Conditions tested</u></b>   |
|--------------------|----------------------------------|---|
| Samples            | N/A                              | Fresh, frozen   |
| DNA coating        | Albumin                          | Albumin, DNA Coating Solution   |
| PBMCs              | 500,000 cells/well               | 0.5M cells/well, 1M cells/well, 2M cells/well, 4M cells/well, 8M cells/well |
| Replicate wells    | 5 wells                          | 3 wells, 5 wells, 7 wells   |
| DNA origin         | Lambda phage                     | Beef thymus, lambda phage   |
| Nuclease treatment | Treated DNA                      | Treated DNA, untreated DNA  |
| DNA concentration  | 100 µg/mL                        | 200 µg/mL, 100 µg/mL  |
| Blocking solution  | N/A                              | 100 µL, 150 µL  |

Abbreviations: M (million).